Strain: F344

Contract/Lab: All Laboratories

Species: RATS

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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Report Date:04/29/2009

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
				Ma	ale		
Battelle Northwest Battelle Northwest Battelle Northwest Battelle Northwest Battelle Northwest Battelle Northwest Battelle Northwest	052001105 059601105 059901705 059700601 058800603 059700805 059302507	07/14/03 06/04/01 08/25/03 05/25/00 08/06/01 10/01/01 06/16/03	729 729 729 726 729 729 729	50 (5) 50 (5) 50 (5) 50 (5) 50 (5) 49 (5) 50 (5)	23(678) 26(676) 28(686) 32(693) 27(680) 27(683) 20(668)	526.9 540.9 525.6 529.7 537.2 525.0 536.2	1-Bromopropane Cumene Diethylamine Methyl isobutyl ketone alpha-Methylstyrene Propargyl alcohol Tetralin
				Fen	nale		
Battelle Northwest	052001105 059601105 059901705 059700601 058800603 059700805 059302507	07/14/03 06/04/01 08/25/03 05/25/00 08/06/01 10/01/01 06/16/03	730 731 730 727 730 730 730	50 (5) 50 (5) 50 (5) 50 (5) 50 (5) 50 (5) 50 (5)	34(702) 21(674) 31(687) 35(694) 27(647) 29(678) 31(682)	386.5 356.9 378.3 365.6 351.9 353.3 370.8	1-Bromopropane Cumene Diethylamine Methyl isobutyl ketone alpha-Methylstyrene Propargyl alcohol Tetralin

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups
Route: INHALATION

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Species: RATS Strain: F344

Vehicle: AIR

Length of Study: CHRONIC

			Male	Female
#All Organs: Benign Tumors				
		48/50 (96%) 50/50 (100%) 48/50 (96%)	48/50 (96%) 44/50 (88%) 48/50 (96%) 48/49 (98%)	45/50 (90%) 44/50 (88%) 43/50 (86%) 44/50 (88%) 43/50 (86%) 42/50 (84%) 40/50 (80%)
Overall Incidence	Total	334/349 (95.7%)	Mean 95.71% SD 3.72%	Total 301/350 (86%) Mean 86% SD 3.27%
#All Organs: Malignant Tumors				
•		38/50 (76%) 31/50 (62%) 33/50 (66%)	36/50 (72%) 31/50 (62%) 32/50 (64%) 32/49 (65%)	26/50 (52%) 24/50 (48%) 24/50 (48%) 22/50 (44%) 25/50 (50%) 26/50 (52%) 25/50 (50%)
Overall Incidence	Total	233/349 (66.76%)	Mean 66.76% SD 5.3%	Total 172/350 (49.14%) Mean 49.14% SD 2.79%
#All Organs: Malignant and Benign T				
		50/50 (100%) 50/50 (100%) 50/50 (100%)	50/50 (100%) 49/50 (98%) 50/50 (100%) 49/49 (100%)	49/50 (98%) 50/50 (100%) 48/50 (96%) 46/50 (92%) 46/50 (92%) 47/50 (94%) 46/50 (92%)
Overall Incidence	Total	348/349 (99.71%)	Mean 99.71% SD 0.76%	Total 332/350 (94.86%) Mean 94.86% SD 3.24%
#All Organs: Hemangioma				
-		0/50 (0%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29% SD 0.76%	Total 1/350 (0.29%) Mean 0.29% SD 0.76%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories Species: RATS

Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#All Organs: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	2/350 (0.57%)	Mean 0.57%	SD 1.51%
#All Organs: Hemangiosarcoma or Hen	nangioma							
	3	0/50 (0%) 1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 2/50 (4%)
Overall Incidence	Total	3/349 (0.86%)	Mean 0.86%	SD 1.07%	Total	3/350 (0.86%)	Mean 0.86%	SD 1.57%
#All Organs: Histiocytic Sarcoma							•••••	
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 2/50 (4%) 2/50 (4%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	4/350 (1.14%)	Mean 1.14%	SD 1.95%
#All Organs: Leukemia: Erythrocytic								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

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			Male				Female	
#All Organs: Leukemia: Lymphocytic, Undifferentiated	Monocytic, N	ononuclear, or						
onumerendated		29/50 (58%) 25/50 (50%) 25/50 (50%)	26/50 (52%) 26/50 (52%)	25/50 (50%) 21/49 (43%)		16/50 (32%) 14/50 (28%) 17/50 (34%)	12/50 (24%) 18/50 (36%)	15/50 (30%) 20/50 (40%)
Overall Incidence	Total	177/349 (50.72%)	Mean 50.69%	SD 4.47%	Total	112/350 (32%)	Mean 32%	SD 5.29%
#All Organs: Malignant Lymphoma: Hi or Undifferentiated Cell T		nphocytic, Mixed, NOS,						
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Benign								
3		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
#All Organs: Mesothelioma: Benign, M	lalignant NO		•••••					
mesotnenoma. Denign, w	angnam, NO	0/50 (0%) 1/50 (2%) 0/50 (0%)	3/50 (6%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	5/349 (1.43%)	Mean 1.43%	SD 2.23%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#All Organs: Mesothelioma: Malignant								
-		0/50 (0%) 1/50 (2%) 0/50 (0%)	3/50 (6%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	5/349 (1.43%)	Mean 1.43%	SD 2.23%	Total	0/350 (0%)	Mean 0%	SD 0%
#All Organs: Osteoma	•••••				•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma					•••••			
		2/50 (4%) 0/50 (0%) 3/50 (6%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	6/349 (1.72%)	Mean 1.72%	SD 2.43%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
#All Organs: Osteosarcoma or Osteoma					•••••			
		2/50 (4%) 0/50 (0%) 3/50 (6%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	6/349 (1.72%)	Mean 1.72%	SD 2.43%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
*Adrenal Cortex:								
		1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		3/50 (6%) 0/50 (0%) 8/50 (16%)	0/50 (0%) 2/50 (4%)	4/50 (8%) 0/50 (0%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	17/350 (4.86%)	Mean 4.86%	SD 5.87%
*Adrenal Cortex: Carcinoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Ganglioneuroma					•••••			
-		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/349 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Hemangioma								
-		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/349 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

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Species: RATS Strain: F344 Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
Adrenal Medulla:								
Pheochromocytoma Beni	gn	10/50 (200/)	7/50 (4.40/)	7/50 (4.40/)		0/50 (40/)	1/50 (20/)	0/50 (00/)
		10/50 (20%) 8/50 (16%)	7/50 (14%) 8/50 (16%)	7/50 (14%) 8/49 (16%)		2/50 (4%) 3/50 (6%)	1/50 (2%) 1/49 (2%)	0/50 (0%) 1/50 (2%)
		9/50 (18%)	0/30 (10/0)	0/49 (1070)		2/50 (4%)	1749 (270)	1/30 (2/0)
Overall Incidence	Total	57/349 (16.33%)	Mean 16.33%	SD 2.13%	Total	10/349 (2.87%)	Mean 2.86%	SD 1.95%
		` ,				,		
Adrenal Medulla:								
Pheochromocytoma Com	plex							
		1/50 (2%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)		
overall Incidence	Total	3/349 (0.86%)	Mean 0.86%	SD 1.57%	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%
Adrenal Medulla: Pheochromocytoma Malic	anant							
, ,	•	0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	2/50 (4%)	3/49 (6%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		4/50 (8%)				1/50 (2%)		
overall Incidence	Total	11/349 (3.15%)	Mean 3.16%	SD 3.04%	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%
Adrenal Medulla:				•••••		•••••	•••••	•••••
Pheochromocytoma: Ben	ian Complex	x Malignant NOS						
	.g, complex	11/50 (22%)	7/50 (14%)	10/50 (20%)		3/50 (6%)	3/50 (6%)	0/50 (0%)
		8/50 (16%)	10/50 (20%)	10/49 (20%)		3/50 (6%)	1/49 (2%)	1/50 (2%)
		12/50 (24%)	(== , 3)	3. 10 (=0.3)		3/50 (6%)	(=,=,	(=.0)
		12/30 (27/0)						

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Bone: Chondrosarcoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Bone: Chondrosarcoma or Cho	ondroma							
ononarosarosma or one	, mar o ma	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Bone: Chordoma			•••••					
		1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.58%	SD 0.99%	Total	0/350 (0%)	Mean 0%	SD 0%
#Bone: Osteoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Bone: Osteosarcoma								
		1/50 (2%) 0/50 (0%) 3/50 (6%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	5/349 (1.43%)	Mean 1.43%	SD 2.23%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
Bone: Osteosarcoma or Osteoma								
		1/50 (2%) 0/50 (0%) 3/50 (6%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	5/349 (1.43%)	Mean 1.43%	SD 2.23%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
Brain: Astrocytoma Malignant								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
Brain: Ependymoma Benign								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
*Brain: Ependymoma Malignant								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
*Brain: Glioma Malignant								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		1/50 (2%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	3/350 (0.86%)	Mean 0.86%	SD 1.07%
*Brain: Granular Cell Tumor Benig								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
*Brain: Medulloblastoma Mal	•••••							
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Brain: Meningioma Malignant								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Brain: Meningioma: Benign, Mal	lignant NOS				•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma Benig					•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Brain: Oligodendroglioma Malig	ınant				•••••			
	•	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Brain:								
Oligodendroglioma, Glior	na, or Astroc		0.770 (00.4)	0/=0 (00/)		. (=0 (00)	0/50 (404)	2 (22 (22 (22 (22 (22 (22 (22 (22 (22 (
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	2/50 (4%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	` '	Maan 00/	SD 0%	Total	` '	Mean 1.43%	CD 4 00/
verali incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	5/350 (1.43%)	weari 1.43%	SD 1.9%
Brain: Osteosarcoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)				0/50 (0%)		
verall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%
Brain: Schwannoma Malignant	•••••							
3		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	, ,	, ,		0/50 (0%)	, ,	` ,
verall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Adenoma								
		4/50 (8%)	0/50 (0%)	0/50 (0%)		3/49 (6%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	3/49 (6%)		0/50 (0%)	0/50 (0%)	4/50 (8%)
		0/50 (0%)	` '	` ,		0/50 (0%)	` '	` '

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Strain: F344

i: May2009

Contract/Lab: All Laboratories Species: RATS

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Clitoral/Preputial Gland:								
		2/50 (4%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	1/50 (2%) 0/49 (0%)		1/49 (2%) 1/50 (2%) 4/50 (8%)	2/50 (4%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	6/349 (1.72%)	Mean 1.71%	SD 1.8%	Total	9/349 (2.58%)	Mean 2.58%	SD 2.76%
Clitoral/Preputial Gland: Carcinoma or Adenoma					•••••			
		6/50 (12%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	1/50 (2%) 3/49 (6%)		4/49 (8%) 1/50 (2%) 4/50 (8%)	3/50 (6%) 1/50 (2%)	1/50 (2%) 4/50 (8%)
Overall Incidence	Total	13/349 (3.72%)	Mean 3.73%	SD 4.24%	Total	18/349 (5.16%)	Mean 5.17%	SD 3.05%
Clitoral/Preputial Gland: Fibrosarcoma					•••••	•••••		
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%
Clitoral/Preputial Gland: Sarcoma					•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/349 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Clitoral/Preputial Gland: Squamous Cell Papilloma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/349 (0%)	Mean 0%	SD 0%
Ear: Neural Crest Tumor					•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.77%	Total	0/350 (0%)	Mean 0%	SD 0%
Esophagus: Fibrosarcoma					•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
Esophagus: Lipoma					•••••			
•		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

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Report Date: 04/29/2009

Species: RATS Strain: F344 Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
#Eye: Amelanotic Melanoma, E	Benign							
	•	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Eye: Melanoma Malignant								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Eye: Schwannoma Malignant					•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Harderian Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
*Heart: Schwannoma Benign								
·		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.77%	Total	0/350 (0%)	Mean 0%	SD 0%
Heart: Schwannoma Malignant								
		0/50 (0%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%
#Intestine Large: Colon/Rectun Adenoma			•••••					
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups Contract/Lab: All Laboratories

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

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			Male				Female	
#Intestine Large: Colon/Rectu Carcinoma	m:							
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
fintestine Large: Colon/Rectu Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Intestine Large: Colon/Rectu Hemangioma								
-		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Intestine Small: Duodenum: Carcinoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Intestine Small: Duodenu Leiomyoma	m:							
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Carcinoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Granular Cell Tumor Ma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyoma								
·		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Intestine Small: Jejunum Leiomyosarcoma	:							
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
fintestine Small: Site Uns Carcinoma	pecified:							
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Intestine Small: Site Uns Carcinoma or Adenom	pecified:							
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
fIntestine Small: Site Uns Granular Cell Tumor N								
	-	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

ce for Selected Control Animal Groups

Route: INHALATION

Vehicle: AIR

Length of Study: CHRONIC

			Male		Female	
Intestine Small: Site Unsp Leiomyoma	ecified:					
·		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (29 0/50 (0%) 0/49 (09		0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
verall Incidence	Total	1/349 (0.29%)	Mean 0.29% SD 0.76	(,	Mean 0% SD 0%	
ntestine Small: Site Unsp Leiomyosarcoma						
•		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (09) 0/50 (0%) 0/49 (09)	, , ,	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	,
verall Incidence	Total	0/349 (0%)	Mean 0% SD 0%	Total 0/350 (0%)	Mean 0% SD 0%	
slets, Pancreatic: Adenoma						
		0/50 (0%) 3/50 (6%) 3/50 (6%)	1/50 (2%) 6/50 (12 3/50 (6%) 4/49 (89	, , ,	1/50 (2%) 2/50 (4%) 3/50 (6%) 1/50 (2%)	,
verall Incidence	Total	20/349 (5.73%)	Mean 5.74% SD 3.92	% Total 7/350 (2%)	Mean 2% SD 2.31%	
slets, Pancreatic: Carcinoma						
		3/50 (6%) 4/50 (8%) 1/50 (2%)	2/50 (4%) 1/50 (29) 1/50 (2%) 5/49 (10)	%) 1/50 (2%) 0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	17/349 (4.87%)	Mean 4.89% SD 3.29	` ,	Mean 0.57% SD 0.98%	

^{*:} Denominator is number of animals with tissues examined microscopically

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^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Islets, Pancreatic: Carcinoma or Adenoma								
		3/50 (6%) 7/50 (14%) 4/50 (8%)	3/50 (6%) 4/50 (8%)	7/50 (14%) 9/49 (18%)		1/50 (2%) 0/50 (0%) 0/50 (0%)	2/50 (4%) 3/50 (6%)	2/50 (4%) 1/50 (2%)
verall Incidence	Total	37/349 (10.6%)	Mean 10.62%	SD 4.82%	Total	9/350 (2.57%)	Mean 2.57%	SD 2.23%
Kidney: Pelvis and Transitio	onal Epitheliu	m:						
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Transition Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%
Kidney: Pelvis and Transition	onal Epitheliu	m:			•••••			
•		1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/348 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Kidney: Renal Tubule: Adenoma								
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	0/348 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Carcinoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	1/348 (0.29%)	Mean 0.29%	SD 0.77%
Kidney: Renal Tubule: Carcinoma or Adenoma								
		1/50 (2%)	2/50 (4%)	0/50 (0%)		1/49 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	3/349 (0.86%)	Mean 0.86%	SD 1.57%	Total	1/348 (0.29%)	Mean 0.29%	SD 0.77%
Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/00 (0/0)				0/00 (0/0)		

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
*Kidney: Renal Tubule: Lipoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/348 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Mesenchymal Tumor Benigr	 1				•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Nephroblastoma	•••••							
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Sarcoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/49 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

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Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Liver: Cholangioma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Liver: Hemangiosarcoma								
Ç		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Liver: Hepatocellular Adenoma								
·		0/50 (0%) 1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
Liver: Hepatocellular Carcinoma								
·		2/50 (4%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	3/349 (0.86%)	Mean 0.86%	SD 1.58%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male		Female					
Liver:										
Hepatocellular Carcino	oma or Hepatobl		0.750 (00.0)	0/50 (00/)		(2/22 (22()	0/=0 (00/)		
		2/50 (4%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overell Institutes	Tatal	0/50 (0%)	Mana 0.000/	CD 4 500/	Tatal	0/50 (0%)	Mann 0 000/	CD 0.700/		
Overall Incidence	Total	3/349 (0.86%)	Mean 0.86%	SD 1.58%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%		
Liver:										
Hepatocellular Carcino	ma or Hepatoce مح									
		2/50 (4%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)		
		1/50 (2%)	0/50 (0%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%)				0/50 (0%)				
Overall Incidence	Total	5/349 (1.43%)	Mean 1.43%	SD 1.51%	Total	2/350 (0.57%)	Mean 0.57%	SD 0.98%		
Liver: Hepatocellular Carcino Hepatoblastoma	oma, Hepatocelli	ular Adenoma, or								
		2/50 (4%) 1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	` ,		Total	0/50 (0%)	` ,	` ,		
	Total	1/50 (2%) 1/50 (2%)	0/50 (0%)	1/49 (2%)	Total	0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		
		1/50 (2%) 1/50 (2%)	0/50 (0%)	1/49 (2%)	Total	0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		
Lung:		1/50 (2%) 1/50 (2%) 5/349 (1.43%) 2/50 (4%)	0/50 (0%) Mean 1.43% 1/50 (2%)	1/49 (2%) SD 1.51%	Total	0/50 (0%) 0/50 (0%) 2/350 (0.57%) 1/50 (2%)	0/50 (0%) Mean 0.57% 0/50 (0%)	0/50 (0%) SD 0.98%		
Lung:		1/50 (2%) 1/50 (2%) 5/349 (1.43%) 2/50 (4%) 0/50 (0%)	0/50 (0%) Mean 1.43%	1/49 (2%) SD 1.51%	Total	0/50 (0%) 0/50 (0%) 2/350 (0.57%) 1/50 (2%) 1/50 (2%)	0/50 (0%) Mean 0.57%	0/50 (0%) SD 0.98%		
Overall Incidence *Lung: Alveolar/Bronchiolar A		1/50 (2%) 1/50 (2%) 5/349 (1.43%) 2/50 (4%)	0/50 (0%) Mean 1.43% 1/50 (2%)	1/49 (2%) SD 1.51%	Total	0/50 (0%) 0/50 (0%) 2/350 (0.57%) 1/50 (2%)	0/50 (0%) Mean 0.57% 0/50 (0%)	0/50 (0%) SD 0.98%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

i: May2009

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male			Female					
Lung: Alveolar/Bronchiolar C	arcinoma										
		1/50 (2%) 0/50 (0%) 1/50 (2%)	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		1/50 (2%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)			
Overall Incidence	Total	4/349 (1.15%)	Mean 1.14%	SD 1.07%	Total	3/350 (0.86%)	Mean 0.86%	SD 1.07%			
Lung: Alveolar/Bronchiolar C Adenoma							•••••				
		3/50 (6%) 0/50 (0%) 1/50 (2%)	2/50 (4%) 0/50 (0%)	1/50 (2%) 1/49 (2%)		2/50 (4%) 1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)			
Overall Incidence	Total	8/349 (2.29%)	Mean 2.29%	SD 2.14%	Total	5/350 (1.43%)	Mean 1.43%	SD 1.51%			
Lung: Fibrosarcoma						•••••	•••••				
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%			
Lung: Hemangiosarcoma											
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male			Female					
Lung: Sarcoma											
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%			
Lung: Squamous Cell Carcinoma	• • • • • • • • • • • • • • • • • • • •										
·		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%			
#Lymph Node: Hemangiosarcoma	• • • • • • • • • • • • • • • • • • • •										
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%			
#Mammary Gland: Adenolipoma	• • • • • • • • • • • • • • • • • • • •										
·		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Mammary Gland: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	2/49 (4%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	3/50 (6%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.58%	SD 1.54%	Total	4/350 (1.14%)	Mean 1.14%	SD 2.27%
#Mammary Gland: Carcinoma								
		0/50 (0%)	2/50 (4%)	0/50 (0%)		4/50 (8%)	10/50 (20%)	9/50 (18%)
		2/50 (4%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		5/50 (10%) 3/50 (6%)	3/50 (6%)	7/50 (14%)
Overall Incidence	Total	4/349 (1.15%)	Mean 1.14%	SD 1.95%	Total	41/350 (11.71%)	Mean 11.71%	SD 5.71%
#Mammary Gland: Carcinoma or Adenoma								
		0/50 (0%)	2/50 (4%)	0/50 (0%)		4/50 (8%)	10/50 (20%)	10/50 (20%)
		2/50 (4%) 0/50 (0%)	0/50 (0%)	2/49 (4%)		5/50 (10%) 3/50 (6%)	3/50 (6%)	10/50 (20%)
Overall Incidence	Total	6/349 (1.72%)	Mean 1.73%	SD 2.15%	Total	45/350 (12.86%)	Mean 12.86%	SD 6.82%
#Mammary Gland: Fibroadenoma	•••••							
		2/50 (4%)	0/50 (0%)	2/50 (4%)		25/50 (50%)	24/50 (48%)	27/50 (54%)
		2/50 (4%) 1/50 (2%)	1/50 (2%)	1/49 (2%)		22/50 (44%) 14/50 (28%)	22/50 (44%)	26/50 (52%)
Overall Incidence	Total	9/349 (2.58%)	Mean 2.58%	SD 1.51%	Total	160/350 (45.71%)	Mean 45.71%	SD 8.67%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Strain: F344

Contract/Lab: All Laboratories Species: RATS

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male			Female					
#Mammary Gland: Fibroma											
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%			
Mammary Gland: Fibroma, Fibroadenom	a or Adenoma				•••••						
,		2/50 (4%) 2/50 (4%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	2/50 (4%) 3/49 (6%)		25/50 (50%) 22/50 (44%) 14/50 (28%)	24/50 (48%) 22/50 (44%)	27/50 (54%) 28/50 (56%)			
Overall Incidence	Total	11/349 (3.15%)	Mean 3.16%	SD 1.98%	Total	162/350 (46.29%)	Mean 46.29%	SD 9.27%			
Mammary Gland: Fibroma, Fibroadenom					•••••						
		2/50 (4%) 4/50 (8%) 1/50 (2%)	2/50 (4%) 1/50 (2%)	2/50 (4%) 3/49 (6%)		27/50 (54%) 26/50 (52%) 16/50 (32%)	31/50 (62%) 24/50 (48%)	30/50 (60%) 31/50 (62%)			
Overall Incidence	Total	15/349 (4.3%)	Mean 4.3%	SD 2.15%	Total	185/350 (52.86%)	Mean 52.86%	SD 10.64%			
Mesentery: Fibrosarcoma											
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Mesentery: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Mesentery: Lipoma	• • • • • • • • • • • • • • • • • • • •				•••••			
·		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Mesentery: Rhabdomyosarcoma	•••••				•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
*Nose: Adenoma	• • • • • • • • • • • • • • • • • • • •				•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/49 (0%)
Overall Incidence	Total	0/348 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male			Female					
Nose: Chondroma											
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)	0/50 (0%) 0/49 (0%)			
Overall Incidence	Total	0/348 (0%)	Mean 0%	SD 0%	Total	1/348 (0.29%)	Mean 0.29%	SD 0.76%			
*Nose: Squamous Cell Carcin	oma										
•		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/49 (0%)			
Overell lesidence	Total	0/348 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%			
Overali incidence	Total	0/340 (0/0)	WCarr 070	30 0%	Total	0/340 (070)	Mean 070	OD 070			
	, Tongue, Phary					,					
#Oral Cavity (Oral Mucosa	, Tongue, Phary					,					
∜Oral Cavity (Oral Mucosa Papilloma Squamous o	, Tongue, Phary	7nx, Tooth, Gingiva): 0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)			
#Oral Cavity (Oral Mucosa Papilloma Squamous o Overall Incidence #Oral Cavity (Oral Mucosa	, Tongue, Phary or Papilloma Total , Tongue, Phary	7nx, Tooth, Gingiva): 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/349 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/49 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/350 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%			
#Oral Cavity (Oral Mucosa Papilloma Squamous o Overall Incidence	, Tongue, Phary or Papilloma Total , Tongue, Phary	7nx, Tooth, Gingiva): 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/349 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/49 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/350 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male			Female					
Oral Cavity (Oral Mucosa, Tong Squamous Cell Carcinoma, Papilloma											
гаршоша		1/50 (2%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%			
#Oral Mucosa: Squamous Cell Carcinoma											
·		1/50 (2%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	0/350 (0%)	Mean 0%	SD 0%			
Oral Mucosa: Squamous Cell Papilloma	•••••										
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%			
'Ovary: Cystadenoma											
-, 						0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence					Total	0/350 (0%)	Mean 0%	SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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Male		Female					
Ovary: Granulosa Cell Tumor Benign							
Granulosa Cen rumor berngn		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/30 (0/0)	0/30 (0/0)			
overall Incidence	Total	0/350 (0%)	Mean 0%	SD 0%			
Ovary: Granulosa Cell Tumor Malignant							
Grandiosa den Tumor Manghant		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	1/50 (2%)	0/50 (0%)			
		0/50 (0%)	(11,	()			
verall Incidence	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%			
Ovary:							
Granulosa Cell Tumor: Benign, Malignant, NOS							
		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	1/50 (2%)	0/50 (0%)			
		0/50 (0%)					
verall Incidence	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%			
Ovary: Granulosa-Theca Tumor Benign							
-		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)	0/50 (0%)	0/50 (0%)			
		0/50 (0%)					
overall Incidence	Total	0/350 (0%)	Mean 0%	SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Ovary: Granulosa-Theca Tumo	or Malignant							
						2/50 (4%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence					Total	2/350 (0.57%)	Mean 0.57%	SD 1.51%
Ovary: Tubulostromal Adenor	 ma							
						0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence					Total	0/350 (0%)	Mean 0%	SD 0%
Pancreas: Adenoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/348 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Pancreas: Carcinoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/348 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 04/29/2009

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female *Pancreas: Carcinoma or Adenoma 0/50 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%)0/50 (0%)(0%)(0%)0/50 0/50 0/49 (0%)0/50 0/50 0/50 (0%)0/50 (0%)SD 0% SD 0% Overall Incidence Total 0/348 (0%) Mean 0% Total 0/350 (0%) Mean 0% *Pancreas: Mixed Tumor Benign 0/50 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 2/49 (4%)(0%)0/50 0/50 (0%)0/50 (0%)**Overall Incidence** Total 2/348 (0.57%) Mean 0.58% SD 1.54% Total 0/350 (0%) Mean 0% SD 0% *Pancreas: **Mixed Tumor Malignant** (0%)(0%)(0%)0/50 (0%)0/50 0/49 (0%)0/50 (0%)0/50 0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%) 0/50 (0%)0/50 (0%) SD 0% SD 0% **Overall Incidence** Total 0/348 (0%) Mean 0% Total 0/350 (0%) Mean 0% *Parathyroid Gland: Adenoma 0/46 (0%)0/45 (0%)0/48 (0%)0/47 (0%)0/49 (0%)1/43 (2%)(0%)(0%)0/49 0/47 (0%)0/46 (0%)0/43 (0%)0/49 (0%)(0%) 0/48 (0%)0/49 **Overall Incidence** Total 0/330 (0%) Mean 0% SD 0% Total 1/326 (0.31%) Mean 0.33% SD 0.88%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			М	ale				Female					
Peripheral Nerve: Schwannoma Malignant													
		0/50 (0% 0/50 (0% 0/50 (0%	0/50	(0%) (0%)	0/50 0/49	(0%) (0%)		0/50 0/50 0/50	(0%) (0%) (0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)
Overall Incidence	Total	0/349 (0%)	Mear	n 0%	SD	0%	Total	0/350	(0%)	Mea	n 0%	SD	0%
#Peripheral Nerve:		•••••											
Schwannoma: Benign, M	/lalignant, NOS		0.470	(224)	0./=0	(00()		0/=0	(00/)	a /= a	(224)	0.700	(221)
		0/50 (0% 0/50 (0% 0/50 (0%	0/50	(0%) (0%)	0/50 0/49	(0%) (0%)		0/50 0/50 0/50	(0%) (0%) (0%)	0/50 0/50	(0%) (0%)	0/50 0/50	(0%) (0%)
Overall Incidence	Total	0/349 (0%)	Mear	n 0%	SD	0%	Total	0/350	(0%)	Mea	n 0%	SD	0%
Pituitary Gland: Pars Distal Adenoma	is or Unspecif	37/50 (749 35/50 (709 36/50 (729	6) 34/49	(72%) (69%)	31/50 36/49	(62%) (73%)		35/50 24/49 36/49	(49%)	35/50 35/50	(70%) (70%)	29/50 30/50	(58%) (60%)
Overall Incidence	Total	245/348 (70.4	,	70.41%	SD	4.07%	Total	224/34	8 (64.37%)	Mea	64.35%	SD	8.89%
Overall Incidence		245/348 (70.4	.%) Mear						,				
		245/348 (70.4	.%) Mear						,				
Pituitary Gland: Pars Distal		245/348 (70.4	%) Mear 0/50 0/49						,				

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Pituitary Gland: Pars Distal Carcinoma or Adenoma		ied Site:						
		37/50 (74%) 35/50 (70%) 37/50 (74%)	36/50 (72%) 34/49 (69%)	31/50 (62%) 36/49 (73%)		35/50 (70%) 24/49 (49%) 36/49 (73%)	36/50 (72%) 35/50 (70%)	31/50 (62%) 30/50 (60%)
verall Incidence	Total	246/348 (70.69%)	Mean 70.69%	SD 4.26%	Total	227/348 (65.23%)	Mean 65.21%	SD 8.77%
Pituitary Gland: Pars Distal Ganglioneuroma	lis or Unspecif	ied Site:	•••••					
Č		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/49 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence	Total	1/348 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/348 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Intern Adenoma					• • • • • • • • • • • • • • • • • • • •			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/49 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence	Total	1/348 (0.29%)	Mean 0.29%	SD 0.77%	Total	0/348 (0%)	Mean 0%	SD 0%
Pituitary Gland: Pars Intern Carcinoma	nedia:				•••••			
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/49 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/348 (0%)	Mean 0%	SD 0%	Total	0/348 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

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		Male				Female	
edia:							
	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/49 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Total	1/348 (0.29%)	Mean 0.29%	SD 0.77%	Total	0/348 (0%)	Mean 0%	SD 0%
	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)				
Total	0/349 (0%)	Mean 0%	SD 0%				
	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)				
Total	0/349 (0%)	Mean 0%	SD 0%				
	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
	Total Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 1/348 (0.29%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)	O/50 (0%) O/50 (0%) O/50 (0%) O/50 (0%) O/50 (0%) O/50 (0%) Mean 0.29% O/50 (0%)	O/50 (0%) O/50 (0%) O/50 (0%) O/50 (0%) O/50 (0%) O/49 (0%) 1/49 (2%) O/50 (0%) O/50 (0%) Total 1/348 (0.29%) Mean 0.29% SD 0.77% O/50 (0%)	O/50 (0%) 0/50 (0%) 0/50 (0%) 1/49 (2%) 0/50 (0%) 0/49 (0%) 1/49 (2%) 0/50 (0%) Total 1/348 (0.29%) Mean 0.29% SD 0.77% Total 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) SD 0% Total 0/349 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) SD 0%	Adia: 0/50 (0%)	### Provided in the image of th

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Contract/Lab: All Laboratories

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Seminal Vesicle: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)				
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%				
#Skeletal Muscle: Fibrous Histiocytoma								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Hemangioma								•••••
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Hemangiosarcoma								
9		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/30 (0/8)				0/30 (0/0)		

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

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			Male				Female	Female			
#Skeletal Muscle: Lipoma											
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%			
Skeletal Muscle: Rhabdomyosarcoma											
·		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%			
Skeletal Muscle: Rhabdomyosarcoma or											
·	•	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)			
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%			
Skeletal Muscle: Sarcoma											
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)			
	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

OII. May2009

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Skin:								
Basal Cell Adenoma		0/50 (00/)	1/FO (20/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
		0/50 (0%) 0/50 (0%)	1/50 (2%) 1/50 (2%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		1/50 (2%)	1/30 (2/0)	1743 (270)		0/50 (0%)	0/30 (0/0)	0/30 (0/0)
Overall Incidence	Total	4/349 (1.15%)	Mean 1.15%	SD 1.07%	Total	0/350 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma or	Basosquamous	s Tumor Benign						
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	1/49 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)		05		0/50 (0%)		05.00/
Overall Incidence	Total	4/349 (1.15%)	Mean 1.15%	SD 1.07%	Total	0/350 (0%)	Mean 0%	SD 0%
#Skin:								
Basal Cell Adenoma, B Trichoepithelioma		0/50 (0%) 0/50 (0%) 1/50 (2%)	1/50 (2%) 1/50 (2%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
Trichoepithelioma Overall Incidence	Total	0/50 (0%) 0/50 (0%) 1/50 (2%) 4/349 (1.15%)	1/50 (2%) Mean 1.15%	1/49 (2%) SD 1.07%	Total	0/50 (0%) 0/50 (0%) 1/350 (0.29%)	0/50 (0%) Mean 0.29%	1/50 (2%) SD 0.76%
Trichoepithelioma Overall Incidence #Skin:	Total	0/50 (0%) 0/50 (0%) 1/50 (2%) 4/349 (1.15%)	1/50 (2%) Mean 1.15%	1/49 (2%) SD 1.07%		0/50 (0%) 0/50 (0%) 1/350 (0.29%)	0/50 (0%) Mean 0.29%	1/50 (2%) SD 0.76%
Trichoepithelioma Overall Incidence	Total	0/50 (0%) 0/50 (0%) 1/50 (2%) 4/349 (1.15%)	1/50 (2%) Mean 1.15%	1/49 (2%) SD 1.07%		0/50 (0%) 0/50 (0%) 1/350 (0.29%)	0/50 (0%) Mean 0.29%	1/50 (2%) SD 0.76%
Trichoepithelioma Overall Incidence #Skin:	Total	0/50 (0%) 0/50 (0%) 1/50 (2%) 4/349 (1.15%)	1/50 (2%) Mean 1.15%	1/49 (2%) SD 1.07%		0/50 (0%) 0/50 (0%) 1/350 (0.29%)	0/50 (0%) Mean 0.29%	1/50 (2%) SD 0.76%
Trichoepithelioma Overall Incidence #Skin:	Total	0/50 (0%) 0/50 (0%) 1/50 (2%) 4/349 (1.15%)	1/50 (2%) Mean 1.15% 0/50 (0%)	1/49 (2%) SD 1.07%		0/50 (0%) 0/50 (0%) 1/350 (0.29%) 0/50 (0%)	0/50 (0%) Mean 0.29% 0/50 (0%)	1/50 (2%) SD 0.76%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 04/29/2009

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #Skin: Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS) 0/50 0/50 (0%)1/50 0/50 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)3/50 (6%)0/50 (0%)**Overall Incidence** Total 4/349 (1.15%) Mean 1.14% SD 2.27% Total 0/350 (0%) Mean 0% SD 0% #Skin: Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma 0/50 (2%)0/50 (0%)0/50 (0%)(0%)1/50 (2%)1/50 (0%)0/50 0/50 (0%)1/50 (2%)1/49 (2%)0/50 (0%)0/50 (0%)1/50 (2%)4/50 (8%)0/50 (0%)**Overall Incidence** 8/349 (2.29%) SD 2.69% 1/350 (0.29%) SD 0.76% Total Mean 2.29% Total Mean 0.29% #Skin: Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq. Papilloma, Keratoacanthoma, Trichoepithelioma (2%)(2%)(10%)1/50 0/50 (0%)1/50 5/50 1/50 0/50 (0%)2/50 (4%) (10%)0/50 (0%)0/50 (0%)1/50 (2%)5/50 (10%)(2%)1/50 **Overall Incidence** Total 19/349 (5.44%)Mean 5.46% SD 4.46% Total 4/350 (1.14%) Mean 1.14% SD 1.07% #Skin: Fibroma (6%)3/50 3/50 (6%)1/50 (2%)2/50 (4%)0/50 (0%)1/50 (2%)4/50 (8%)4/50 (8%)3/49 (6%)0/50 (0%)1/50 (2%)(2%)1/50 3/50 (6%)0/50 (0%)21/349 (6.02%) **Overall Incidence** Total Mean 6.02% SD 2% Total 5/350 (1.43%) Mean 1.43% SD 1.51%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female			
#Skin: Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma										
		3/50 (6%) 5/50 (10%) 6/50 (12%)	3/50 (6%) 5/50 (10%)	2/50 (4%) 4/49 (8%)		2/50 (4%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 1/50 (2%)	1/50 (2%) 2/50 (4%)		
Overall Incidence	Total	28/349 (8.02%)	Mean 8.02%	SD 2.83%	Total	7/350 (2%)	Mean 2%	SD 1.63%		
#Skin: Fibrosarcoma										
		0/50 (0%) 1/50 (2%) 3/50 (6%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)		
Overall Incidence	Total	6/349 (1.72%)	Mean 1.72%	SD 2.14%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%		
∜Skin: Fibrosarcoma, Sarcoma, Histiocytoma	Myxosarcom	a, or Fibrous								
		0/50 (0%) 1/50 (2%) 3/50 (6%)	0/50 (0%) 1/50 (2%)	1/50 (2%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)		
Overall Incidence	Total	7/349 (2.01%)	Mean 2.01%	SD 2%	Total	2/350 (0.57%)	Mean 0.57%	SD 0.98%		
Skin: Fibrous Histiocytoma										
• • •		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Skin: Hemangioma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma								
·		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%
#Skin: Keratoacanthoma								
		0/50 (0%) 0/50 (0%) 1/50 (2%)	4/50 (8%) 1/50 (2%)	0/50 (0%) 4/49 (8%)		1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)
Overall Incidence	Total	10/349 (2.87%)	Mean 2.88%	SD 3.66%	Total	2/350 (0.57%)	Mean 0.57%	SD 0.98%
#Skin: Lipoma								
·		2/50 (4%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 2/49 (4%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	5/349 (1.43%)	Mean 1.44%	SD 1.92%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male		Female	
#Skin: Liposarcoma						
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 0/50 (0%) 0/50	(0%) (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0% SD 0%	Total 0/350 (0%)	Mean 0% SD	0%
#Skin: Neural Crest Tumor	•••••					
		1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%)	1/50 (2%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 0/50 (0%) 0/50	(0%) (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29% SD 0.76%	Total 1/350 (0.29%)	Mean 0.29% SD	0.76%
#Skin: Neural Crest Tumor, Ma						
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 0/50 (0%) 0/50	(0%) (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0% SD 0%	Total 0/350 (0%)	Mean 0% SD	0%
#Skin: Neurofibroma or Schwa						
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 0/50 (0%) 0/50	(0%) (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0% SD 0%	Total 0/350 (0%)	Mean 0% SD	0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

11. Way 2000

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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-			Male			Female	
#Skin: Neurofibrosarcoma or Sc	chwannoma (ı	,	0/50 (00/)	0/50 (00/)	0/50 (00	0/50 (00/)	0/50 (00/)
		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)	0/50 (0% 0/50 (0% 0/50 (0%	6) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.58%	SD 0.99%	Total 0/350 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma, Neurofibrosarcoma, Neurofibrosarcoma							
g		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)	0/50 (0% 0/50 (0% 0/50 (0%	6) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.58%	SD 0.99%	Total 0/350 (0%)	Mean 0%	SD 0%
#Skin: Sarcoma	•••••						
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0% 0/50 (0% 0/50 (0%	6) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total 0/350 (0%)	Mean 0%	SD 0%
#Skin: Schwannoma Benign				•••••			
-		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)	0/50 (0% 0/50 (0% 0/50 (0%	6) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total 0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

11. May2009

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Skin: Schwannoma Malignant								
-		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/49 (2%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.58%	SD 0.99%	Total	0/350 (0%)	Mean 0%	SD 0%
#Skin:					• • • • • • • • • • • • • • • • • • • •			
Squamous Cell Carcinom	na							
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Tatal	0/50 (0%)	Maar 0 000/	CD 0.700/	Total	1/50 (2%) 1/350 (0.29%)	Mean 0.29%	CD 0.700/
Overali incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	10121	1/300 (0.29%)	iviean 0.29%	SD 0.76%
	na, Basal Cell	Carcinoma,	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
#Skin: Squamous Cell Carcinom Basosquamous Tumor (n	na, Basal Cell	Carcinoma, NOS), or Carcinoma 1/50 (2%) 0/50 (0%)	0/50 (0%)	1/50 (2%)	Total	0/50 (0%) 0/50 (0%)	0/50 (0%)	
#Skin: Squamous Cell Carcinom Basosquamous Tumor (n Overall Incidence	na, Basal Cell nalignant or N	Carcinoma, NOS), or Carcinoma 1/50 (2%) 0/50 (0%) 3/50 (6%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
#Skin: Squamous Cell Carcinom Basosquamous Tumor (n Overall Incidence	na, Basal Cell nalignant or N Total	Carcinoma, NOS), or Carcinoma 1/50 (2%) 0/50 (0%) 3/50 (6%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
#Skin: Squamous Cell Carcinom Basosquamous Tumor (n Overall Incidence #Skin:	na, Basal Cell nalignant or N Total	Carcinoma, NOS), or Carcinoma 1/50 (2%) 0/50 (0%) 3/50 (6%) 5/349 (1.43%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 1/50 (2%) 1/350 (0.29%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
#Skin: Squamous Cell Carcinom Basosquamous Tumor (n Overall Incidence #Skin:	na, Basal Cell nalignant or N Total	Carcinoma, NOS), or Carcinoma 1/50 (2%) 0/50 (0%) 3/50 (6%) 5/349 (1.43%)	0/50 (0%) 0/50 (0%) Mean 1.43%	1/50 (2%) 0/49 (0%) SD 2.23%		0/50 (0%) 0/50 (0%) 1/50 (2%) 1/350 (0.29%)	0/50 (0%) 0/50 (0%) Mean 0.29% 0/50 (0%)	0/50 (0%) SD 0.76%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

1: May2009

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

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Report Date: 04/29/2009

Mean 0.29%

SD 0.76%

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Male Female #Skin: Squamous Cell Papilloma or Papilloma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/350 (0%) SD 0% Overall Incidence Total 0/349 (0%)Mean 0% SD 0% Total Mean 0% Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma (2%)1/50 (2%)4/50 (8%)0/50 (0%)1/50 0/50 (0%)1/50 0/50 (0%)(2%)(8%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 1/50 (2%)1/50 (2%)**Overall Incidence** Total 11/349 (3.15%)Mean 3.17% SD 3.48% Total 3/350 (0.86%)Mean 0.86% SD 1.07% Squamous Cell Papilloma, Papilloma, or Keratoacanthoma 4/50 (8%)0/50 (0%)1/50 0/50 (0%)1/50 (2%)0/50 (0%)(2%)0/50 (0%)1/50 (2%)(8%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)**Overall Incidence** Total 10/349 (2.87%) Mean 2.88% SD 3.66% Total 2/350 (0.57%) Mean 0.57% SD 0.98% #Skin: Trichoepithelioma (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)0/50 (0%) (0%)(2%) 0/50 (0%)0/50 1/50 (0%) 0/50 (0%)0/50

SD 0%

Total

1/350 (0.29%)

Total

0/349 (0%)

Mean 0%

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Skin: Sebaceous Gland: Adenoma								
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%) 2/50 (4%)	0/50 (0%)	1/49 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/349 (1.72%)	Mean 1.72%	SD 1.38%	Total	0/350 (0%)	Mean 0%	SD 0%
≴Skin: Sebaceous Gland: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
Skin: Sebaceous Gland: Carcinoma or Adenoma			•••••	•••••				•••••
		0/50 (0%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%) 2/50 (4%)	0/50 (0%)	1/49 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	6/349 (1.72%)	Mean 1.72%	SD 1.38%	Total	0/350 (0%)	Mean 0%	SD 0%
#Spinal Cord: Astrocytoma Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Spinal Cord: Astrocytoma Malignant								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Spinal Cord: Glioma Malignant								
-		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
*Spleen: Fibrosarcoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
*Spleen: Fibrous Histiocytoma								
-		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Strain: F344

Contract/Lab: All Laboratories Species: RATS

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Spleen: Hemangioma								
		0/50 (0%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%
Spleen: Hemangiosarcoma								
• • • • • • • • • • • • • • • • • • •		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
verall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
Spleen: Leiomyosarcoma	•••••							
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%
Spleen: Sarcoma	•••••							
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Stomach, Forestomach: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma	a							
·		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Papilloma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Report Date:04/29/2009

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			Male				Female	
#Stomach, Glandular: Lipoma								
·		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Stomach, Glandular:			•••••	•••••				
Sarcoma		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
*Testes: Adenoma	••••••							
		34/50 (68%) 42/50 (84%) 29/50 (58%)	36/50 (72%) 33/50 (66%)	35/50 (70%) 38/49 (78%)				
Overall Incidence	Total	247/349 (70.77%)	Mean 70.79%	SD 8.33%				
*Thymus: Sarcoma	•••••							
		0/43 (0%) 0/49 (0%) 0/47 (0%)	0/49 (0%) 0/42 (0%)	0/44 (0%) 0/47 (0%)		0/46 (0%) 0/47 (0%) 0/44 (0%)	0/48 (0%) 0/50 (0%)	0/48 (0%) 0/46 (0%)
Overall Incidence	Total	0/321 (0%)	Mean 0%	SD 0%	Total	0/329 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: AIR

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			Male				Female	
*Thymus: Thymoma Benign								
,		0/43 (0%) 0/49 (0%) 0/47 (0%)	0/49 (0%) 0/42 (0%)	0/44 (0%) 1/47 (2%)		1/46 (2%) 0/47 (0%) 0/44 (0%)	0/48 (0%) 1/50 (2%)	0/48 (0%) 0/46 (0%)
Overall Incidence	Total	1/321 (0.31%)	Mean 0.3%	SD 0.8%	Total	2/329 (0.61%)	Mean 0.6%	SD 1.02%
*Thymus: Thymoma Malignant	•••••				•••••			
, -		0/43 (0%) 0/49 (0%) 0/47 (0%)	0/49 (0%) 0/42 (0%)	0/44 (0%) 0/47 (0%)		0/46 (0%) 0/47 (0%) 0/44 (0%)	0/48 (0%) 0/50 (0%)	0/48 (0%) 0/46 (0%)
Overall Incidence	Total	0/321 (0%)	Mean 0%	SD 0%	Total	0/329 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma NOS	•••••				•••••			
		0/43 (0%) 0/49 (0%) 0/47 (0%)	0/49 (0%) 0/42 (0%)	0/44 (0%) 0/47 (0%)		0/46 (0%) 0/47 (0%) 0/44 (0%)	0/48 (0%) 0/50 (0%)	1/48 (2%) 0/46 (0%)
Overall Incidence	Total	0/321 (0%)	Mean 0%	SD 0%	Total	1/329 (0.3%)	Mean 0.3%	SD 0.79%
*Thymus: Thymoma: Benign, Malign	ant, NOS				•••••			
, , ,	·	0/43 (0%) 0/49 (0%) 0/47 (0%)	0/49 (0%) 0/42 (0%)	0/44 (0%) 1/47 (2%)		1/46 (2%) 0/47 (0%) 0/44 (0%)	0/48 (0%) 1/50 (2%)	1/48 (2%) 0/46 (0%)
Overall Incidence	Total	1/321 (0.31%)	Mean 0.3%	SD 0.8%	Total	3/329 (0.91%)	Mean 0.89%	SD 1.12%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

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			Male	Female
*Thyroid Gland: C-Cell: Adenoma				
		5/50 (10%) 1/50 (2%) 5/50 (10%)	3/50 (6%) 7/50 (14%) 3/49 (6%) 4/49 (8%)	3/50 (6%) 3/50 (6%) 4/50 (8%) 3/50 (6%) 2/50 (4%) 3/50 (6%) 3/50 (6%)
Overall Incidence	Total	28/348 (8.05%)	Mean 8.04% SD 3.82%	Total 21/350 (6%) Mean 6% SD 1.15%
*Thyroid Gland: C-Cell: Carcinoma	•••••			
		4/50 (8%) 2/50 (4%) 2/50 (4%)	1/50 (2%) 1/50 (2%) 0/49 (0%) 3/49 (6%)	1/50 (2%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 1/50 (2%) 2/50 (4%) 0/50 (0%)
Overall Incidence	Total	13/348 (3.74%)	Mean 3.73% SD 2.71%	Total 5/350 (1.43%) Mean 1.43% SD 1.51%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma				
		9/50 (18%) 3/50 (6%) 6/50 (12%)	3/50 (6%) 8/50 (16%) 3/49 (6%) 7/49 (14%)	4/50 (8%) 3/50 (6%) 4/50 (8%) 4/50 (8%) 3/50 (6%) 5/50 (10%) 3/50 (6%)
Overall Incidence	Total	39/348 (11.21%)	Mean 11.2% SD 5.15%	Total 26/350 (7.43%) Mean 7.43% SD 1.51%
*Thyroid Gland: Follicular Cell: Adenoma				
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/49 (0%) 1/49 (2%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/348 (0.29%)	Mean 0.29% SD 0.77%	Total 1/350 (0.29%) Mean 0.29% SD 0.76%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Thyroid Gland: Follicular Cell: Carcinoma								
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%) 0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/348 (0.86%)	Mean 0.86%	SD 1.57%	Total	0/350 (0%)	Mean 0%	SD 0%
Thyroid Gland: Follicular Cell: Carcinoma or Adenoma					•••••			
		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%) 0/50 (0%)	0/49 (0%)	1/49 (2%)		1/50 (2%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	4/348 (1.15%)	Mean 1.15%	SD 1.58%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
Tissue NOS: Lipoma								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%) 0/50 (0%)	0/50 (0%)	1/49 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.77%	Total	0/350 (0%)	Mean 0%	SD 0%
#Tissue NOS: Paraganglioma							•••••	•••••
.		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		0/50 (0%)	0/30 (0/0)	0/49 (0/0)		0/50 (0%)	0/30 (0/0)	0/30 (0/0)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Tissue NOS: Schwannoma Malignant								
-		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinom	a							
.,		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
#Tongue:								
Squamous Cell Carcinom	a or Papillon	na Squamous 0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
fTongue: Squamous Cell Papilloma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Tooth: Adamantinoma Malignant								
		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%
#Tooth: Odontoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/350 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)
Overall Incidence	Total	0/349 (0%)	Mean 0%	SD 0%	Total	0/349 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma or Papilloma			•••••					
·		0/50 (0%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/49 (0%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	0/349 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Species: RATS

Strain: F344

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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Report Date: 04/29/2009

Length of Study: CHRONIC

Male **Female** *Urinary Bladder: Hemangiosarcoma 0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)(0%)(0%)0/50 (0%)0/50 (0%)(0%)0/50 0/49 0/49 (0%)0/50 0/50 (0%)**Overall Incidence** (0.29%)Mean 0.29% SD 0.76% 0/349 (0%) SD 0% Total 1/349 Total Mean 0% *Urinary Bladder: Leiomyosarcoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)(0%)(0%) 0/50 0/50 (0%)(0%)0/50 0/50 (0%)0/49 (0%)0/49 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/349 (0%) Mean 0% SD 0% Total 1/349 (0.29%) Mean 0.29% SD 0.76% *Urinary Bladder: Papilloma 0/50 (0%)(0%)0/50 0/50 (0%)0/50 (0%)0/50 1/50 (2%)(0%)1/50 (2%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%) SD 0% Overall Incidence Total 2/349 (0.57%)Mean 0.57% SD 0.98% Total 0/349 (0%) Mean 0% #Uterus: Adenoma 0/50 (0%)0/50 (0%)1/50 (2%)(0%)0/50 0/50 (0%)0/50 (0%)(2%) 1/50 **Overall Incidence** Total 2/350 (0.57%) Mean 0.57% SD 0.98%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: F344

Contract/Lab: All Laboratories Species: RATS

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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Male			Female	
#Uterus: Carcinoma				
		0/50 (0%) 0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
#Uterus: Deciduoma Benign				
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/350 (0%)	Mean 0%	SD 0%
eUterus: Hemangioma	•••••			
Hemangionia		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%
#Uterus: Hemangiosarcoma				
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	1/350 (0.29%)	Mean 0.29%	SD 0.76%

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

1. Way2009

Contract/Lab: All Laboratories

Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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	Male			Female	
tUterus: Leiomyoma					
			0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence		Total	0/350 (0%)	Mean 0%	SD 0%
Uterus: Leiomyosarcoma		•••••			
			0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence		Total	0/350 (0%)	Mean 0%	SD 0%
Uterus: Polyp Stromal					
r diyp stroma			8/50 (16%) 12/50 (24%) 6/50 (12%)	13/50 (26%) 6/50 (12%)	8/50 (16%) 12/50 (24%)
Overall Incidence		Total	65/350 (18.57%)	Mean 18.57%	SD 5.97%
eUterus: Sarcoma Stromal					
			2/50 (4%) 1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence		Total	4/350 (1.14%)	Mean 1.14%	SD 1.57%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: F344

Contract/Lab: All Laboratories Species: RATS

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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Male			Female	
Uterus: Sarcoma Stromal or Polyp Stromal				
		10/50 (20%) 13/50 (26%) 6/50 (12%)	14/50 (28%) 6/50 (12%)	8/50 (16%) 12/50 (24%)
verall Incidence	Total	69/350 (19.71%)	Mean 19.71%	SD 6.58%
Jterus: Schwannoma Malignant				
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence	Total	0/350 (0%)	Mean 0%	SD 0%
/agina: Polyp				
		0/50 (0%) 0/50 (0%) 0/50 (0%)	2/50 (4%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
verall Incidence	Total	2/350 (0.57%)	Mean 0.57%	SD 1.51%
/agina: Sarcoma	•••••			
Carconia		1/50 (2%) 1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
		5,55 (576)		

^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

Contract/Lab: All Laboratories Species: RATS Strain: F344

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Zymbal's Gland: Adenoma								
		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		0/50 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	1/349 (0.29%)	Mean 0.29%	SD 0.76%	Total	0/350 (0%)	Mean 0%	SD 0%
₹Zymbal's Gland: Carcinoma					•••••			
		0/50 (0%) 1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/49 (0%)		1/50 (2%) 0/50 (0%) 1/50 (2%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/349 (0.57%)	Mean 0.57%	SD 0.98%	Total	3/350 (0.86%)	Mean 0.86%	SD 1.07%
Zymbal's Gland: Carcinoma or Adenoma					•••••			
		0/50 (0%) 1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/49 (0%)		1/50 (2%) 0/50 (0%) 1/50 (2%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	3/349 (0.86%)	Mean 0.86%	SD 1.07%	Total	3/350 (0.86%)	Mean 0.86%	SD 1.07%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied